## Claims

- 1. A digital signal processing method comprising a step of reproducing a performance tone signal based on interface data for an instrumental performance, which contains at least performance data for causing a sound source storing plural pieces of instrumental tone information to generate a performance tone of an instrument, and a digital signal other than the performance tone signal, on the basis of control data previously encoded and described in the interface data.
- 2. A method according to claim 1, wherein the digital signal other than the performance tone signal is an audio signal.
- 3. A method according to claim 1, wherein the digital signal other than the performance tone signal is an image signal.
- 4. A method according to claim 1, wherein the digital signal other than the performance tone signal is a signal representing a character.
- 5. A method according to claim 1, wherein the control data is data for controlling a reproduction timing of the digital signal other than the performance tone signal.
- 6. A method according to claim 1, wherein the control data is data for controlling a parameter concerning reproduction of the digital signal other than the performance tone signal.
- 7. A method according to claim 1, wherein the control data is previously described as an encoded data string in a predetermined event in a standard format of the interface data.

- 8. A method according to claim 7, wherein the control data is described at a timing at which the control data is desired to be controlled.
- 9. A method according to claim 7, wherein the control data is described before a timing at which the control data is desired to be controlled, and timing information which is desired to be actually controlled is added in the control data.
- 10. A method according to claim 9, wherein the timing information is expressed as a relative time between a timing at which the control data is described and a timing at which control is desired to be actually executed.
- 11. A method according to claim 9, wherein the timing information is expressed as an absolute time in entire reproduction.
- 12. A method according to claim 1, wherein the digital signal other than the performance tone signal has an identification code for every block.
- 13. A method according to claim 12, wherein a specific block signal is controlled by specifying the identification code.
- 14. A method according to claim 7, wherein the control data is data for specifying a type of the digital signal other than the performance tone signal.
- 15. A method according to claim 7, wherein the control data is data which expresses each control-amount/control method of content of a control to be effected on the digital signal other than the performance tone signal.
- 16. A method according to claim 7, wherein the control data is data for simultaneously effecting a plurality of controls on the digital signal other than the

performance tone signal.

17. A digital signal processing apparatus comprising:

first decoding means for decoding control data previously encoded and described in interface data for an instrumental performance, which contains at least performance data for causing a sound source storing plural pieces of instrumental tone information to generate a performance tone of an instrument; and

second decoding means for decoding a digital signal other than a signal of the performance tone, in correspondence with reproduction timing information of the performance data, on the basis of the control data decoded by the first decoding means.

- 18. An apparatus according to claim 17, wherein the digital signal other than the signal of the performance tone is an audio signal.
- 19. An apparatus according to claim 17, wherein the digital signal other than the signal of the performance tone is an image signal.
- 20. An apparatus according to claim 17, wherein the digital signal other than the signal of the performance tone is a signal representing a character.
- 21. An apparatus according to claim 17, wherein the control data is data for controlling a reproduction timing of the digital signal other than the signal of the performance tone.
- 22. An apparatus according to claim 17, wherein the control data is data for controlling a parameter concerning reproduction of the digital signal other than the signal of the performance tone.

- 23. An apparatus according to claim 17, wherein the control data is previously described as an encoded data string in a predetermined event in a standard format of the interface data.
- 24. A control data generating method comprising a step of generating interface data containing control data for synchronizing a digital signal other than a performance tone signal, with the performance signal output from a sound source which stores plural pieces of instrumental tone information.
- A control data generating apparatus comprising means for generating interface data containing control data for synchronizing a digital signal other than a performance tone signal, with the performance signal output from a sound source which stores plural pieces of instrumental tone information.
- 26. A program recording medium with a program recorded therein, wherein the program comprises:

a first step of decoding control data previously encoded and described in interface data for instrumental performance, which contains at least performance data for causing a sound source storing plural pieces of instrumental tone information to generate a performance tone of an instrument; and

a second step of decoding a digital signal other than a signal of the performance tone, in correspondence with reproduction timing information of the performance data, on the basis of the control data decoded by the first step.